

Fedoshev, P. N. and Ignatenko, L. S.
PYROLYSIS, RAPID AND SLOW SAMPLE DECOMPO-
SITION, AND THE ROLE OF CATALYSTS IN ELE-
MENTAL QUANTITATIVE ORGANIC ANALYSIS.
23 Aug 63 [6p] 6 refs
Order from OTS, SLA, or BTC \$1.10 TT-63-20608

Trans. of Akad[emiya] Nauk SSSR. Komiss[iya po]
Anal[iticheskoi] Khim[i], Trudy, 1963, v. 13[16]
p. 33-35. (Abstract available)

DESCRIPTORS: *Microanalysis, Organic compounds,
Quantitative analysis, Combustion, *Pyrolysis,
Degradation, *Catalysts.

A method of organic microanalysis is given which
employs a 550-400 x 4 mm combustion tube with the
self-contained apparatus described in Izvest. Akad.
Nauk Turkmen. SSR 1959, no. 1, p. 45-52 (available
in translation from ATS as ATS-65M42R). A small
(Chemistry--Analytical, TT, v. 11, no. 6) (over)

TT-63-20608

1. Title: Combustion
analysis

I. Fedoshev, P. N.
II. Ignatenko, L. S.

Office of Technical Services

Extraction of Metal Compounds From
Pyrazoline Dithiocarbamates,
by V. M. Byr'ko.
RUSSIAN, per, Tr. Komis po Analit Khim,
Vol XIV, 1963, pp 191-201.
NASA TT F-417

Sci-Chem
Jul 66

304,196

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Detecting Oxygen in Alkali Metals and Their
Alloys by the Method of Mercury Extraction,
by Ye. D. Malikova, Z. M. Turvtseva, 7 pp.

Handwritten: 220,638
RUSSIAN, per, Ak Nauk SSSR, Komissiya po
Analiticheskoy Khim, Analiz Gazov y Metallakh,
Vol X, 1960, pp 91-96. 9667415

FTD-TT-62-1338

Sci - Min/Metals
Jan 63

Handwritten: 220,638

Methods of Preparing Analysis Samples of Alkali
Metals For Vacuum Extraction, by V. F. Kharlamov,
5 pp.

Study
RUSSIAN, per, Ak Nauk SSSR, Komissiya po
Analiticheskoy Khim, Analiz Gazov v Metallakh,
Vol I, 1960, pp 117-121. 9667415

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Sci - Min/Metals
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The Determination of the Formation Constant of
Indinacetylacetone by an Extraction Method, by
N. P. Rudenko, I. Stary, 19 pp.

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pp 28-43.

AEC AAEC/Trans-1

Sci - Chem
Apr 61

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Determination of Alcohols Using the Isotopic
Dilution Method, by V. Ya. Efremov, M. B. Neiman,
V. N. Panfilov, 7 pp.

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Inst Geokhim i Anal Khim, Vol IX, 1958, pp 361-366.

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AEC Tr 4037

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Sci - Chem
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Determination of Oxygen in Tatanium by Isotope
Dillution, by R. Sh. Khalitov, 10 pp.

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AEC TT-1022

Sci - Chem
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List 71

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TT-63-20610

Luskina, B. M., Terent'ev, A. P., and Syavitsillo, S. V.

THE ANALYSIS OF ORGANOSILICON COMPOUNDS CONTAINING VARIOUS ELEMENTS BY THE WET OXIDATION METHOD. 1 Aug 63 [5p] 3refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20610

Trans. of Akad[emiya] Nauk SSSR. Kom[issii] [va po].
Anal[iticheskoj] Khim[i]. [Trudy] 1963, v. 13[16]
p. 3-7. (Abstract available)

DESCRIPTORS: *Silanes, *Aluminum compounds, *Phosphorus compounds, *Titanium compounds, Carbon compounds, Silicon compounds, Halides, Quantitative analysis, Oxidation, Sulfuric acid, *Chromic acid,

The simultaneous determination of C, Si, and hetero-elements in organosilicon compounds (OSC) may be accomplished by oxidizing a sample with conc. H_2SO_4 and H_2CrO_4 in an O_2 atmosphere at 150° . Products of In-
(Chemistry--Analytical, TT, v. 11, no. 5) (over)

1. Title: Wet combustion method
- I. Luskina, B. M.
- II. Terent'ev, A. P.
- III. Syavitsillo, S. V.

Office of Technical Services

Quantitative Determination of Double Bonds in
Unsaturated Silico-Organic Compounds by Spectral
Absorption in the Infrared Region, by Yu. Ya. Mikhaylenko

L. P. Senetakaya, 7 pp.

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Analiticheskoy Khimii, Vol XIII, 1963, pp 383-388.

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FTD-TT-64-458

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Quantitative Determination of Polycyclic
Aromatic Hydrocarbons, by A. G. Siryuk,
K. I. Zimina.
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Extraction of Metal Compounds From
Pyrazoline Dithiocarbamates,
by V. M. Byr'ko. 11 pp.
RUSSIAN, per. Trudy Komissii po Analiticheskoy
Khimii, Vol XIV, 1963, pp 191-201.
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Sci-M/M
May 66

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The Use of Coprecipitation for Concentration,
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NLL 9022.4 (66/102)

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Apr 67

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Nature of the Corrosion Resistance of Stainless
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Sci - Min/Mat
Mar 59

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Corrosion of Stainless Steels in Solutions
Containing Hydrofluoric Acid, by M. M. Kurtepov,
A. S. Gryznova, 7 pp.

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Sci - Chem

May 58

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Chetvertichnogo Perioda XIV, 1959, pp 1-128.

*OTS 64-11074
PL-480

Sci
Feb 64

Borisov, V. V.
HYDROGRAPHY OF KAYDAK BAY. [1962] [38]p.
4 refs. ACIC RR-37.
Order from OTS or SLA \$3.60 62-25438

Trans. of Akademiya Nauk SSSR. Komissiya po
Kompleksnomu izucheniyu Kaspiiskogo Morya. Trudy
po Kompleksnomu izucheniyu Kaspiiskogo Morya, 1937,
v. 1, pt. 1, p. 13-36.

DESCRIPTORS: *Hydrology, Exploration, Geography,
Astronomical geodesics, *Hydrographic surveying,
Caspian Sea.

(Earth Sciences--Oceanography, TT, v. 9, no. 11)

62-25438

- I. Title: Kaydak Bay
- I. Borisov, V. V.
- II. ACIC RR-37
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Office of Technical Services

Effect of Cathodic Structural Components on Corro-
sion and Passivity of Stainless Steels, by E. D.
Tomashov, G. P. Chernova, 18 pp. UNCLASSIFIED

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FDD/X-3453

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Aug 59

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Leningrad 1929.

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On the Propagation of a Shock Wave in the Ground
During Impact of a Very Fast Meteorite Against
the Surface of the Planet, by Yu. P. Rayzer, 8 pp.
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FTD-TT-64-1038

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Oct 59

A New Method of Temperature Compensation for
Superhigh Frequency Thermistors for Power
Measurements, by L. M. Zaks, V. M. Petrov,
10 pp.

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1962, pp 13-20. *LXV*
JPRS 24477

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Methods of Estimating the Amount of Mycorrhizae in
Seedlings, by A. A. Vlasov, 8 pp.

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Lesorazvedeni, Vol XI, No 2, 1952, pp 231-239.

OTS 63-11006

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On Atmospheric Circulation in Antarctica, by
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Sci - Geophys
Sep 60

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AEC-tr-4509(p.1-4) Uncl.

ROLE OF MAGNETOHYDRODYNAMICS AND PLASMA
DYNAMICS IN CERTAIN PROBLEMS OF ASTROPHYSICS.
D. A. Frank-Kamenetskii. Translated from
Voprosy Magnit. Gidrodinamiki i Dinamiki
Plazmy, Trudy Konf., Akad. Nauk Latv. S.S.R.,
Inst. Fiz., Riga, 1958, 7-11(1959). 9092278

C-34 P NSA

N-3

AEC-tr-4509(p.5-32) Uncl.

MAGNETOHYDRODYNAMICS AND THE INVESTIGATION OF
THE VARIATIONS OF COSMIC RAYS. L. I. Dorman.
Translated from Voprosy Magnit. Gidrodinamiki
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C-54 P NSA

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AEC-tr-4509(p.33-6) Uncl.

SPECTRUM OF COSMIC RAYS AND THEIR ROLE IN
COSMIC GAS DYNAMICS. S. I. Syrovatskii.
Translated from Voprosy Magnit. Gidrodinamiki
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AEC-tr-4509(p.37-45) Uncl.

INFLUENCE OF A MAGNETIC FIELD ON THE STABILITY
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Velikhov. Translated from Voprosy Magnit.
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1958, 49-58(1959). 909 2278

C-34 P NSA

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CERTAIN PROBLEMS IN THE MOTION OF A RAREFIED
PLASMA IN A MAGNETIC FIELD. Ya. P.
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C-34 P NSA

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AEC-tr-4509(p.50-2) Uncl.

NONLINEAR STEADY MOTION OF RAREFIED PLASMA IN
A MAGNETIC FIELD. R. Z. Sagdeev. Translated
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63-5(1959).

C-34 P NSA

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AEC-tr-4509(p.59-62) Uncl.

REGARDING ACCELERATION OF PLASMA IN A
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C-34 P NSA

N-4

AEC-tr-4509(p.63-7) Uncl.

ON THE POSSIBILITY OF ACCELERATING CHARGED
PARTICLES BY MEANS OF SHOCK WAVES IN A
MAGNETIZED PLASMA. L. I. Dorman and G. I.
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1958, 77-81(1959). 7092272

C-34 P NSA

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AEC-tr-4509(p.68-73) Unc1.

ON THE ACCELERATION OF CHARGED PARTICLES
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COLLISIONS OF MAGNETIZED CLOUDS. L. I.
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Gidrodinamiki i Dinamiki Plazmy, Trudy Konf.,
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C-34 P NSA

N-5

AEC-tr-4509(p.74-7) Uncl.

INFLUENCE OF LONGITUDINAL MAGNETIC FIELDS ON
THE TEMPERATURE OF ELECTRONS IN A PLASMA.

M. V. Konyukov. Translated from Voprosy
Magnit. Gidrodinamiki i Dinamiki Plazmy,
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C-34 P NSA

N-3

AEC-tr-4509(p.90-7) Uncl.

OBSERVATIONS OF AN ELECTROMAGNETICALLY PINCHED
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CONVERTER. B. L. Granovskii, K. P. Ryumina,
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Translated from Voprosy Magnit. Gidrodinamiki
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107-15(1958).

C-34 P NSA

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AEC-tr-4509(p.78-89) Uncl.

INVESTIGATION OF CERTAIN CHARACTERISTICS OF
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WAVE. S. R. Kholev. Translated from
Voprosy Magnit. Gidrodinamiki i Dinamiki
Plazmy, Trudy Konf., Akad. Nauk Latv. S.S.R.,
Inst. Fiz., Riga, 1958, 93-105(1959). 9092278

C-34 P NSA

N-3

AEC-tr-4509(p.100-7) Uncl.

INTERACTION BETWEEN SMALL PERTURBATIONS AND
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IN MAGNETOHYDRODYNAMICS. V. M. Kontorovich.
Translated from Voprosy Magnit. Gidrodinamiki i
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117-25(1959).

C-64 P NSA

N-3

AEC-tr-4509(p.98-9) Uncl.

STABILITY OF SHOCK WAVES IN MAGNETOHYDRO-
DYNAMICS. A. I. Akhiezer, G. Ya. Lyubarskii,
and R. V. Polovin. Translated from Voprosy
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Original published in Zhur. Eksptl'. i
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C-34 P NSA

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ON THE STABILITY OF SHOCK WAVES IN MAGNETO-
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127-31(1959).

C-34 P NSA

N-3

AEC-tr-4509(p.113) Uncl.

IMPOSSIBILITY OF RAREFACTION SHOCK WAVES IN
MAGNETOHYDRODYNAMICS. R. V. Polovin and
G. Ya. Lyubarskii. Translated from Voprosy
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Original published in Zhur. Eksptl'. i
Teoret. Fiz., 35: 510(1958). 707 2278

C-34 P NSA

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AEC-tr-4509(p.114) Uncl.

ZEMPLEN'S THEOREMS IN MAGNETOHYDRODYNAMICS.
S. V. Iordanskii. Translated from Voprosy
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C-34 P NSA

N-4

AEC-tr-4509(p.115) Uncl.

OBLIQUE SHOCK WAVE IN A PLASMA WITH FINITE
CONDUCTIVITY AND SEVERAL OTHER PROBLEMS IN
THE THEORY OF SHOCK WAVES. M. I. Kiselev
and V. I. Tseplyaev. Translated from
Voprosy Magnit. Gidrodinamiki i Dinamiki
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Inst. Fiz., Riga, 1958, 135(1959).

Original published in Zhur. Eksptl'. i
Teoret. Fiz., 34: 1605(1958). 9092278

C-34 P NSA

N-5

AEC-tr-4509(p.117-20) Uncl.

REGARDING THE EXCITATION OF HYDROMAGNETIC
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Translated from Voprosy Magnit. Gidrodinamiki
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137-40(1959).

C-34 P NSA

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ON THERMODYNAMIC EQUILIBRIUM OF THE SURFACES
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Original published in Doklady Akad. Nauk
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C-34 P NSA

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AEC-tr-4509(p.121) Uncl.

CHERENKOV GENERATION OF MAGNETOACOUSTIC WAVES.
A. I. Morozov. Translated from Voprosy
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C-34 P NSA

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AEC-tr-4509(p.129-35) Uncl.

SIMPLE WAVES IN MAGNETOHYDRODYNAMICS.

A. I. Akhiezer, G. Ya. Lyubarskii, and R. V. Polovin. Translated from Voprosy Magnit. Gidrodinamiki i Dinamiki Plazmy, Trudy Konf., Akad. Nauk Latv. S.S.R., Inst. Fiz., Riga, 1958, 151-7(1959). 2: 2 2 7 2

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ON THE DAMPING OF MAGNETOHYDRODYNAMIC WAVES
IN A PLASMA. R. Z. Sagdeev. Translated from
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Plazmy, Trudy Konf., Akad. Nauk Latv. S.S.R.,
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N-3

AEC-tr-4509(p.137) Uncl.

RIEMANN WAVES IN MAGNETOHYDRODYNAMICS.

A. G. Kulikovskii. Translated from Voprosy
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Original published in Doklady Akad. Nauk
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C-34 P NSA

N- 4

AEC-tr-4509(p.136) Uncl.

SIMPLE MAGNETOACOUSTIC WAVES. G. Ya.
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158(1959).

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C-34 P NSA

N-5

AEC-tr-4509(p.143-7) Uncl.

ON FLOWS PRODUCED BY WAVES IN MAGNETO-
HYDRODYNAMICS. A. I. Ivanovskii. Translated
from Voprosy Magnit. Gidrodinamiki i Dinamiki
Plazmy, Trudy Konf., Akad. Nauk Latv. S.S.R.,
Inst. Fiz., Riga, 1958, 167-71(1959). 9092278

C-34 P NSA

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AEC-tr-4509(p.138-42) Uncl.

PLANE PROBLEMS OF MAGNETOHYDRODYNAMICS.
G. S. Golitsyn. Translated from Voprosy
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C-34 P NSA

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AEC-tr-4509(p.148) Unc1.

UNSTEADY SELF-SIMILAR MOTIONS OF GAS IN A
MAGNETIC FIELD. V. N. Korobeinikov.
Translated from Voprosy Magnit. Gidrodinamiki
i Dinamiki Plazmy, Trudy Konf., Akad. Nauk
Latv. S.S.R., Inst. Fiz., Riga, 1958,
173(1959).

Original published in Doklady Akad. Nauk
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C-34 P NSA

N4

AEC-tr-4544(p.1-7) Uncl.

TASKS AND TRENDS IN THE FIELD OF POWERFUL
GAMMA-INSTALLATION CONSTRUCTION. V. I.
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Nauch.-Tekh. Konf. po Primenen. Radioaktiv. i
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Nauke, Moscow, 1957 (1958). Poluchenie
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metriya i Dozimetriya, p.169-74. 909227P

C-23 P NSA

N-3

AEC-tr-4509(p.149-57) Uncl.

OSCILLATIONS OF AN INFINITE GAS CYLINDER WITH
INTRINSIC GRAVITATION IN A MAGNETIC FIELD.

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